

[4910-13-P]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

0609

[Docket No. FAA-2009-*****; Directorate Identifier 2009-NM-037-AD]

RIN 2120-AA64

Airworthiness Directives; Bombardier Model DHC-8-102, DHC-8-103, DHC-8-106, DHC-8-201, and DHC-8-202 Series Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.**ACTION:** Notice of proposed rulemaking (NPRM).

SUMMARY: We propose to adopt a new airworthiness directive (AD) for the products listed above. This proposed AD results from mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as:

During a puncture voltage test of the aluminum-loaded paint on an in-service DHC-8 aircraft, conducted to validate an SFAR 88 [Special Federal Aviation Regulation No. 88] related task, Bombardier Aerospace (BA) discovered that the top wing fuel tank skin between Yw171.20 and Yw261.00 was painted with a non-aluminized enamel coating * * *.

With this type of paint application, it is possible that, in the worst case scenario, a lightning strike could puncture the wing skin and create an ignition source in the fuel tank.

Ignition sources inside fuel tanks, in combination with flammable fuel vapors, could result in fuel tank explosions and consequent loss of the airplane. The proposed AD would require actions that are intended to address the unsafe condition described in the

CONCURRENCES
ROUTING SYMBOL -7
INITIALS/SIGNATURE C. [Signature]
DATE 5/12/09
ROUTING SYMBOL -114
INITIALS/SIGNATURE P. [Signature]
DATE 6-3-09
ROUTING SYMBOL -101
INITIALS/SIGNATURE S. [Signature]
DATE 6/10/09
ROUTING SYMBOL -100
INITIALS/SIGNATURE S. [Signature]
DATE 6/25/09
ROUTING SYMBOL
INITIALS/SIGNATURE
DATE
ROUTING SYMBOL
INITIALS/SIGNATURE
DATE
ROUTING SYMBOL
INITIALS/SIGNATURE
DATE
ROUTING SYMBOL
INITIALS/SIGNATURE
DATE

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CONCURRENCES	
ROUTING SYMBOL	ANE-172
INITIALS/SIG	K. Williams
DATE	4/23/09
ROUTING SYMBOL	ANM-LGB-AEG-17
INITIALS/SIG	J. McManama
DATE	4/23/09
ROUTING SYMBOL	ANE-171
INITIALS/SIG	D. Panillo
DATE	4/23/09
ROUTING SYMBOL	ANE-172
INITIALS/SIG	J. Delisio
DATE	4/23/09
ROUTING SYMBOL	ANE-170
INITIALS/SIG	A. Socas
DATE	4/23/09
ROUTING SYMBOL	
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	